

# Manhole Inspection Summary

Manhole # S04A\_\_025MH

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**Inspection** ☐ Is Incomplete Rating: **4) Poor**

Record Plat: **04A** Node: **025** Status: **Found**

Insp Date: **5/23/08 11:10 AM**

Incomplete Comments

Crew: **BC JD**  
Inspector: **Chung**  
Firm: **URS**

**Location** Address: **813 WINANS-GLEN ALLEN**

Cross Street: **N/A**

**Manhole** Type: **Junction**

Location: **Alley**

Ground Conditions: **Dry**

☐ Prev. Rehab

Weather: **Dry**

Subject To Ponding: **None**

Comments **HEAVY ROOTS/INFILTRATION AT ALL PIPE SEALS**

**Cover**

Shape: **Circular**

Diameter: **26** (in.) Length: (in.) Dist A/B Grade: **0** (in.)

Type: **Sanitary**

Condition: **Sound**

Cover Material: **Cast Iron**

Properties: ☐ Bolted ☐ Vented ☐ Water Tight ☐ Water Tight Insert

**Frame**

Offset: **3** (in.)

Condition: ☒ Sound ☐ Cracked ☐ Leaks

**Chimney / Frame Adjustment**

☒ Exists Material: **Brick and Concrete** ☐ Parged Height: **5** (in.)

Condition: ☐ Sound ☐ Cracked ☒ **Root Intrusion** ☒ **Loose Brick** ☐ Deteriorated

Infiltration: ☐ None ☐ Joint ☐ Cracks ☐ Mortar ☒ **Roots** ☐ Wall

**Corbel**

Material: **Brick**

☐ Parged

Type: **Concentric/Eccentric**

Condition: ☒ Sound ☐ Cracked ☐ Root Intrusion ☐ Loose Brick ☐ Deteriorated

Infiltration: ☒ None ☐ Joint ☐ Cracks ☐ Mortar ☐ Roots ☐ Wall

**Barrel**

Material: **Brick**

☐ Parged

Shape: **Circular**

Diameter: **48** (in.) Length: (in.)

Condition: ☐ Sound ☐ Cracked ☒ **Root Intrusion** ☐ Loose Brick ☐ Deteriorated

Infiltration: ☒ None ☐ Joint ☐ Cracks ☐ Mortar ☐ Roots ☐ Wall

**Bench**

☒ Exists Material: **Brick**

☐ Parged

Condition: ☐ Sound ☐ Cracked ☒ **Root Intrusion** ☒ **Deteriorated** ☐ Leaks ☒ **Debris**

**Channel**

Material: **Brick**

☐ Parged

Channel Exposure: **Partially Open** Junc Dist: **0** nearest .5 ft. Azimuth:

Condition: ☐ Sound ☐ Cracked ☒ **Root Intrusion** ☒ **Deteriorated** ☐ Leaks ☒ **Debris**

**Steps**

Count: **3** Missing: **0** ☐ Corroded

**Surcharge**

☐ Evidence Of Surcharge Depth: (ft.) ☐ Active Surcharge Present

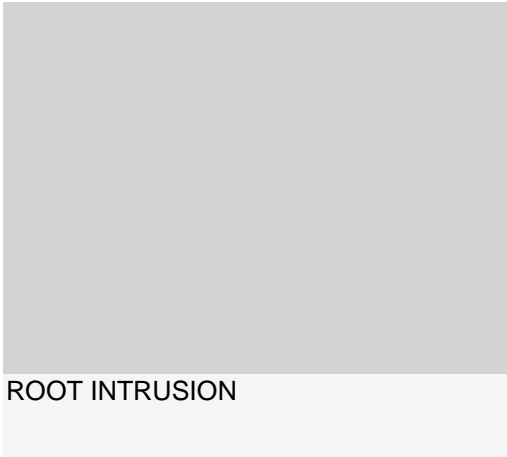
Location View



Top View



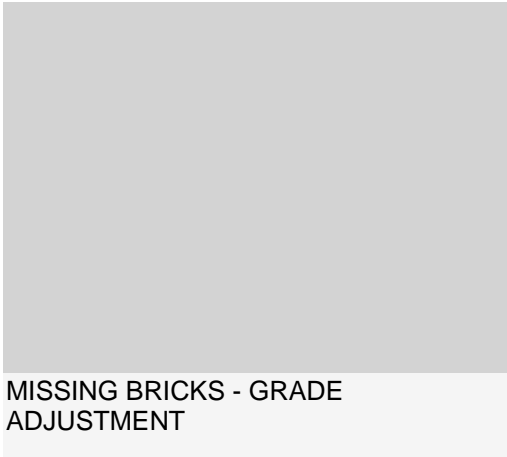
GRADE ADJUSTMENT



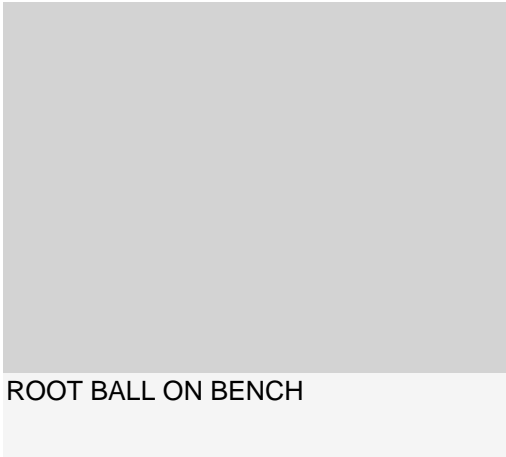
OFFSET



Defect 1



Defect 8

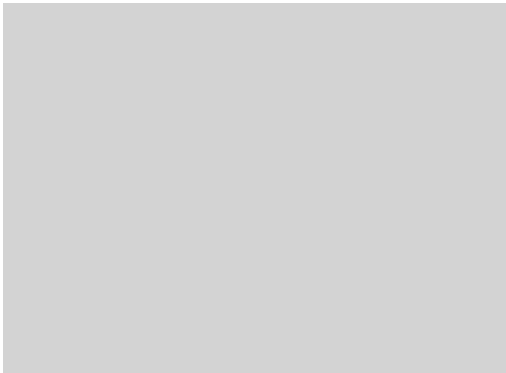


Defect 10



BENCH ROOTS/INFILTRATION

Defect 9



BENCH AND CHANNEL ROOT  
INTRUSION

## Manhole Inspection Summary

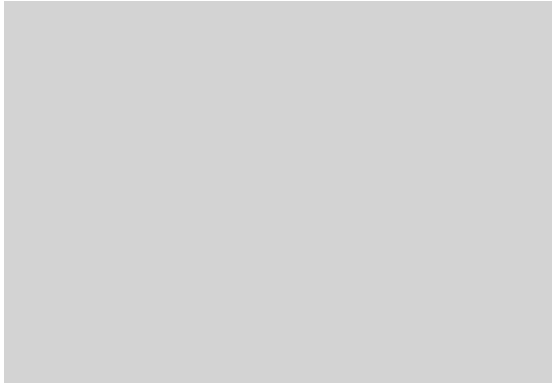
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8 in. Circular Gravity Sewer  
Pipe Out @ 12 O'Clock

12 O'Clock Outflow



CHANNEL AND PIPE SEAL ROOT  
INTRUSION

Pipe Height: **8.4** (in.) Rod and Bar (Angled)

Pipe Material: **Clay** ☐ Pipe Lined

Invert Depth: **8.30** (ft.) Flow Characteristics: **Slow**

Deposits: ☐ None ☒ **Mud** ☐ Sludge ☒ **Debris** ☐ Grease

Silt Depth: **2** (in.) Deposits Extent: **Heavy**

Infiltration: **Evidence** Pipe Seal Cond: **Roots**

Drop: **None**

Connects To: **Manhole**

☐ Possible Illicit Connection

8 in. Circular Gravity Sewer  
Pipe In @ 2 O'Clock

2 O'Clock Inflow



BARREL AND PIPE SEAL ROOT  
INTRUSION, EVIDENCE OF PIPE SEAL  
INFILTRATION

Pipe Height: **8.4** (in.) Rod and Bar (Angled)

Pipe Material: **Clay** ☐ Pipe Lined

Invert Depth: **7.60** (ft.) Flow Characteristics: **None**

Deposits: ☐ None ☒ **Mud** ☐ Sludge ☒ **Debris** ☐ Grease

Silt Depth: **2** (in.) Deposits Extent: **Medium**

Infiltration: **Evidence** Pipe Seal Cond: **Roots**

Drop: **None**

Connects To: **Manhole**

☐ Possible Illicit Connection

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6 in. Circular Gravity Sewer  
Pipe In @ 4 O'Clock

4 O'Clock Inflow



CHANNEL ROOTS, BROKEN PIPE SEAL  
AND EVIDENCE OF PIPE SEAL  
INFILTRATION

Pipe Height: **6** (in.) Rod and Bar (Angled)  
Pipe Material: **Clay** ☐ Pipe Lined  
Invert Depth: **7.40** (ft.) Flow Characteristics: **Slow**  
Deposits: ☐ None ☒ **Mud** ☐ Sludge ☒ **Debris** ☐ Grease  
Silt Depth: **4** (in.) Deposits Extent: **Heavy**  
Infiltration: **Evidence** Pipe Seal Cond: **Broken**

Drop: **None**

Connects To: **House connection / Service line**  
☐ Possible Illicit Connection

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6 in. Circular Gravity Sewer

7 O'Clock Inflow

Pipe In @ 7 O'Clock



BARREL AND PIPE SEAL ROOT  
INTRUSION, EVIDENCE OF PIPE SEAL  
INFILTRATION

Pipe Height: **6** (in.) Rod and Bar (Angled)

Pipe Material: **Clay** ☐ Pipe Lined

Invert Depth: **7.60** (ft.) Flow Characteristics: **None**

Deposits: ☐ None ☒ **Mud** ☐ Sludge ☒ **Debris** ☐ Grease

Silt Depth: **5** (in.) Deposits Extent: **Heavy**

Infiltration: **Evidence**

Pipe Seal Cond: **Roots**

Drop: **None**

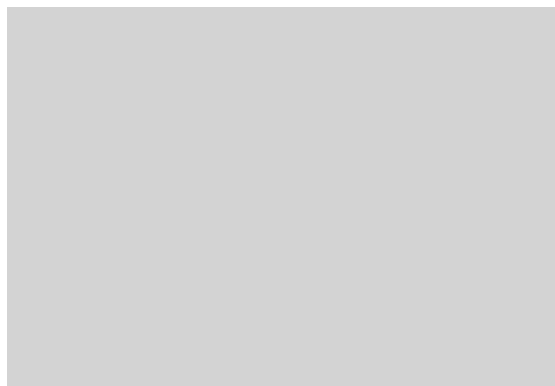
Connects To: **House connection / Service  
line**

☐ Possible Illicit Connection

8 in. Circular Gravity Sewer

9 O'Clock Inflow

Pipe In @ 9 O'Clock



BENCH, CHANNEL AND PIPE SEAL ROOT  
INTRUSION

Pipe Height: **8.4** (in.) Rod and Bar (Angled)

Pipe Material: **Clay** ☐ Pipe Lined

Invert Depth: **7.80** (ft.) Flow Characteristics: **Slow**

Deposits: ☐ None ☒ **Mud** ☐ Sludge ☒ **Debris** ☐ Grease

Silt Depth: **1** (in.) Deposits Extent: **Light**

Infiltration: **Evidence**

Pipe Seal Cond: **Roots**

Drop: **None**

Connects To: **Manhole**

☐ Possible Illicit Connection